

WATER SYSTEM MANAGEMENT
2016 CAPITAL BUDGET PROJECT LIST & FUNDING SOURCES
(\$000's)

City Ward	Project Number	Project Description	Gross Costs	External Revenues	Net Costs	Financing Sources					
						Dev Charges	Reserves	Other Internal Revenues	Funding Required	From Operating	Debt Own
<u>Rehabilitation, Replacement & Upgrade Projects</u>											
City Wide	4031614405	Contaminated Soil & Rock Disposal Program	250	-	250	-	-	-	250	250	-
City Wide	4031655522	State of the Infrastructure - Asset Management	100	-	100	-	-	-	100	100	-
City Wide	5140957644	Intergraph Software - Corporate Site License	370	-	370	-	-	-	370	370	-
City Wide	5141455425	Pre-stressed Concrete Cylinder Pipe Condition Assessment Inspection Program	500	-	500	-	-	-	500	500	-
City Wide	5141455922	Water Loss Audit	200	-	200	-	-	-	200	200	-
City Wide	5141555555	City Wide Groundwater Model	170	-	170	-	-	-	170	170	-
City Wide	5141611101	Road Restoration Program	3,500	-	3,500	-	-	420	3,080	3,080	-
4	5141641226	Centralized Water and Wastewater Operations Centre	250	-	250	-	-	250	-	-	-
City Wide	5141649555	QA-QC Service Contract Program	110	-	110	-	-	-	110	110	-
City Wide	5141651610	Fleet Additions	400	-	400	-	-	-	400	400	-
14, 15	5141655420	Freelton Water Meter Accuracy Study	110	-	110	-	-	110	-	-	-
City Wide	5141655556	Mapping Update Program	70	-	70	-	-	20	50	50	-
City Wide	5141655851	Water Efficiency Plan/Program	102	-	102	-	-	102	-	-	-
City Wide	5141657626	Critical Watermain Inspection Program	200	-	200	-	-	100	100	100	-
12	5141660072	WM Structural Lining - Site 1 (Woodview, Brookview, etc.)	3,200	-	3,200	-	-	215	2,985	2,985	-
7	5141660072	WM Structural Lining - Site 2 (East 11th, East 12th, etc.)	2,700	-	2,700	-	-	-	2,700	2,700	-
City Wide	5141660080	Valve Replacement Program	750	-	750	-	-	-	750	750	-
City Wide	5141660577	Metallic Watermain Condition Assessment Program	700	-	700	-	-	-	700	700	-
City Wide	5141660711	PW Capital Water Consumption Program	200	-	200	-	-	-	200	200	-
City Wide	5141660750	Unscheduled Valve, Hydrant, Watermain & Misc. Water Replace Program	2,500	-	2,500	-	-	-	2,500	2,500	-
City Wide	5141661502	Water Meter - Installation/Replacement/Repair - General Maintenance	2,000	-	2,000	-	-	1,480	520	520	-
City Wide	5141662073	Field Data Systems Program	100	-	100	-	-	100	-	-	-
City Wide	5141662078	Substandard Water Service Replacement Program	3,000	-	3,000	-	-	-	3,000	3,000	-
14, 15	5141667423	Freelton Well (FDF01) Capacity Increase	110	-	110	-	-	-	110	110	-
13	5161661300	Mill St - Head St to Bridge 088 (250m e/o Head)	700	-	700	-	-	-	700	700	-
Sub-Total Rehabilitation, Replacement & Upgrade Projects			22,292	-	22,292	-	-	2,797	19,495	19,495	-
<u>Projects Coordinated with Roads Program</u>											
9	5141471301	Mountain Ave - Jones to Lake Ave & Gemma	700	-	700	-	-	-	700	700	-
1	5141571301	Bowman - South End to Willowcrest & Ainslie - Emerson to East End	600	-	600	-	-	-	600	600	-
8	5141571301	West 35th - Scenic to end	400	-	400	-	-	-	400	400	-
City Wide	5141670000	Coordinated Road and Subsurface Works	3,900	-	3,900	-	-	-	3,900	3,900	-
4	5141671301	Britannia / Oriole / Adair / Glassco	1,220	-	1,220	-	-	-	1,220	1,220	-
11	5141671301	McNeilly - Highway 8 to South End	70	-	70	-	-	-	70	70	-
8	5141671301	Rymal - Upper Paradise to Garth	1,100	-	1,100	-	-	-	1,100	1,100	-
7	5141671301	Upper Sherman - Rymal to Stone Church	100	-	100	-	-	-	100	100	-
7	5141671301	Upper Sherman - Stone Church to LINC	710	-	710	-	-	-	710	710	-
Sub-Total Projects Coordinated with Roads Program			8,800	-	8,800	-	-	-	8,800	8,800	-

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<u>Treatment Plant/Outstation Projects</u>											
5, 10, 11	5141267275	Stoney Creek Water Outstations Upgrades	470	-	470	-	-	-	470	470	-
4	5141269250	HVAC system Upgrades at New Environmental Laboratory and Administration Building	1,650	-	1,650	-	-	850	800	800	-
1	5141567273	Main / Whitney Pumping Station Replacement and Decommissioning	580	-	580	-	-	-	580	580	-
8	5141567520	Stone Church/Garth Water (HDR05) Reservoir	3,060	-	3,060	-	-	2,150	910	910	-
4	5141567575	High Lift Pumping Station (HLPS) Improvements - Phase 2	550	-	550	-	-	-	550	550	-
City Wide	5141666515	Water Treatment Plant Surge Tower Upgrades	480	-	480	-	-	-	480	480	-
14	5141666608	Lynden Additional Water Supply	390	-	390	-	-	390	-	-	-
City Wide	5141666713	Water Maintenance Capital Program	600	-	600	-	-	555	45	45	-
10	5141667420	Ben Nevis & Dewitt (HD08A) Water Pumping Station Upgrades	350	-	350	-	-	-	350	350	-
12	5141667421	Glancaster Rd & Hwy 53 Pumping Station (HD018) Upgrades	1,640	-	1,640	-	-	1,640	-	-	-
13	5141667422	Osler Road Pumping Station (HD011) Upgrades	220	-	220	-	-	220	-	-	-
14	5141667424	Freelton Tower HDT03 Upgrades	1,600	-	1,600	-	-	1,000	600	600	-
Sub-Total Treatment Plant/Outstation Projects			11,590	-	11,590	-	-	6,805	4,785	4,785	-
<u>Water Quality Initiatives (WQI)</u>											
City Wide	5141666110	Water Treatment Plant - Corrosion Control	2,270	-	2,270	-	-	-	2,270	2,270	-
City Wide	5141669075	City Environmental Lab Improvements Program	150	-	150	-	-	-	150	150	-
Sub-Total Water Quality Initiatives (WQI)			2,420	-	2,420	-	-	-	2,420	2,420	-
<u>Master Plans</u>											
4, 5	5140795750	Centennial Parkway Trunk Feedermain - Barton / Centennial / HDR5A (W-12)	2,440	-	2,440	-	-	-	2,440	2,440	-
11	5141495551	PD7 (Upper Stoney Creek/Glanbrook) Elevated Reservoir (W-23)	1,050	-	1,050	1,050	-	-	-	-	-
13	5141595553	PS HD12A (Governors @ Huntingwood) Rebuild with Capacity Upgrade	500	-	500	500	-	-	-	-	-
5, 9	5141595558	Centennial Parkway Trunk W/M Extension - Valve Chamber #3 - Mud/Up. Centennial (W-13)	6,790	-	6,790	6,790	-	-	-	-	-
13	5141596152	PD11 (Governor's Road) Watermain Extension (W-05)	460	-	460	460	-	-	-	-	-
13	5141596153	PD22 (Governor's Road) Watermain Extension (W-06)	780	-	780	780	-	-	-	-	-
6, 9	5141596550	Stone Church Feedermain (W-24)	11,000	-	11,000	11,000	-	-	-	-	-
13	5141695883	PS HD016 (York and Valley) Capacity Upgrade, Standby Power & Building Expansion	670	-	670	603	-	-	67	67	-
Sub-Total Master Plans			23,690	-	23,690	21,183	-	-	2,507	2,507	-
<u>Development/Extension Projects</u>											
15	5141297282	Waterdown South Elevation Water Storage - New PD (W-07)	2,200	-	2,200	1,850	-	-	350	350	-
11	5141564533	Upper Wentworth - South limit @ Hydro Corridor to Twenty	130	-	130	130	-	-	-	-	-
2	5141661300	Central Park	10	-	10	-	-	-	10	10	-
11	5141664632	Twenty - 40m East of Greti to Upper James	210	-	210	190	-	-	20	20	-
8	5141680653	Rymal - Upper Paradise to Garth	1,800	-	1,800	1,800	-	-	-	-	-
6	5141680680	Miles - Extension of Terni Blvd (east & west legs)	80	-	80	80	-	-	-	-	-
15	5141680682	Dundas St Watermain - 140m e/o Spring Creek to Skinner Rd	160	-	160	80	-	-	80	80	-
11	5141680683	Twenty Road East - Nebo Road to 900m westerly	910	-	910	680	-	-	230	230	-
Sub-Total Development/Extension Projects			5,500	-	5,500	4,810	-	-	690	690	-
Total Water System			74,292	-	74,292	25,993	-	9,602	38,697	38,697	-